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GENERAL NOTES

1. EQUIPMENT & FURNITURE LOCATIONS SHOWN ARE FOR INFORMATION ONLY.

2. SEE REFERENCED LAYOUTS & ARRANGEMENTS FOR DEFINITIVE EQUIPMENT AND FURNITURE LOCATION AND SIZES.

3. FOR DETAILS OF LAB ARRANGMENTS, SEE REF. 8.

4. FOR AFT EXTERIOR ARRANGEMENTS, SEE REF. 7

5. ABBREVIATIONS ARE, IN ACCORDANCE WITH MIL-STD 12D EXCEPT AS FOLLOWS:  
P/S=PORT AND STARBOARD  
FWTH=FLUSH WATERTIGHT HATCH  
EOS=ENGINEER'S OPERATING STATION  
MMR=MAIN MACHINERY ROOM  
BERP=BOLTED EQUIPMENT REMOVAL PLATE  
WERP=WELDED EQUIPMENT REMOVAL PLATE  
SWTD=SLIDING WATER TIGHT DOOR  
C/B=CENTERBOARD  
RWTH=RAISED WATER TIGHT HATCH  
IMU=INERTIAL MEASUREMENT UNIT  
FWTS=FLUSH WATER TIGHT SCUTTLE

6. FRAME SPACING THROUGHOUT IS 600MM.

7. BULKHEADS ARE TO BE IDENTIFIED AS FOLLOWS:  
STEEL/ALUMINIUM BHD =   
STEEL/ALUMINUM BHD =   
(W/JOINER LINING)  
JOINER BHD =   
EXPANDED METAL BHD =   
NON-TIGHT STEEL/ALUMINUM BHD =

8. SUPERSTRUCTURE ABOVE THE 01 LEVEL SHALL BE OF ALUMINIUM CONSTRUCTION.

9. 01 LEVEL FORWARD OF FRAME 19 SHALL HAVE 12mm PER FRAME STRAIGHT LINE SHEER.

10. THE ENTIRE 04 LEVEL SHALL HAVE 6mm PER FRAME STRAIGHT LINE SHEER.

REVISIONS CONT'D

REV	ZONE	DESCRIPTION	DATE	APPROVED
		8. SHT 4, 01 LEVEL; REVISED DOOR SWING OF ET SHOP.		
		9. SHT 4, 02 LEVEL; REVISED DOOR SWING OF LINEN LOCKER & CG LOCKER.		
		10. SHT 5, 04 LEVEL; CHANGED ANTENNA CALL OUT AT FR 44, KU-BAND ANTENNA ON STBD SIDE, INMARSAT B ANTENNA ON PORT SIDE.		
		11. SHT 6, PLAN 45-C; ADDED SHRIMP OUTRIGGERS.		
		12. SHT 6, PLAN 45-C; REMOVED SIDE SAMPLING STATION HINGED PLATFORM.		
		ITEMS 1, 2 & 12 PER ECP 056C ITEM 5 PER ECP 111 ITEM 11 PER ECP 095 ITEM 6 PER ABS COMMENT ITEM 10 PER OWNER REQUEST ITEMS 3, 4, 7, 8, & 9 PER WALK-THRU		

REVISIONS CONT'D

REV	ZONE	DESCRIPTION	DATE	APPROVED
6		1. SH 2, TANK TOP, UPDATED DOOR SWING TO MATCH AS-BUILT CONDITION.	8/9/06 MDP	8/11/06 SM
		2. SH 3 & 3A, MAIN DECK, ADDED STBD CRANE REST FDN.		
		3. SH 3, MAIN DECK AND 2ND DECK, UPDATED DOOR SWINGS AND LOCATIONS TO MATCH AS-BUILT CONDITIONS.		
		4. SH 3A, MAIN DECK, UPDATED DOOR SWINGS AND LOCATIONS TO MATCH AS-BUILT CONDITIONS.		
		5. SH 4, 01 LEVEL & 02 LEVEL, UPDATED DOOR SWINGS AND LOCATIONS TO MATCH AS-BUILT CONDITIONS.		
		6. SH 4, 01 LEVEL, ADDED ARCHWAY TO MATCH AS-BUILT CONDITION.		
		7. SH 4, 01 LEVEL, UPDATED LIFERAFT LAYOUT TO MATCH AS-BUILT CONDITION.		
		8. SH 1, THIS REVISION REFLECTS AS-BUILT CONDITIONS FOR HULL 1953.		
		ITEM 1 THRU 8 PER WALK THRU & ENGINEERING DEVELOPMENT		
7		1. SH 1, REVISION STATUS; DELETED SHEET 3A & ADDED SHEET 6.	12/9/08 MDP	
		2. SHT 3, MAIN DECK; REVISED APPLICABILITY IN VIEW DESCRIPTION. MAIN DECK PLAN FOR M238 & M284 MOVED TO SHEET 6.		
		3. SHT 3, 2ND DECK; ROTATED LADDER AT FR 95.		
		4. SHT 3, 2ND DECK; ADDED BHDS IN TRAWL WINCH ROOM TO REFLECT ARRANGEMENT.		
		5. SHT 3, 2ND DECK; ADDED HYDRAULIC TANKS BELOW DECK BETWEEN FR 83 & 86 (P/S). ADDED NOTE FOR HATCH IN OVERHEAD.		
		6. SHT 3, 2ND DECK; ADDED SQUARE HATCH AND APPLICABILITY CALLOUT TO EOS. ADDED OUTLINE OF EOS A/C ENCLOSURE.		
		7. SHT 4, 01 LEVEL; ADDED NOISE DAMPENING BHDS AROUND MMR STACKS.		

REVISIONS

REV	ZONE	DESCRIPTION	DATE	APPROVED
1		1. SH 3, 2ND DK: REVISED TO AGREE WITH DWG FH79 OCEANOGRAPHIC WINCH AND FDN LAYOUT & DETAILS; DWG FH43 MISC. FDN BOOKLET; DWG FH05 HULL TRANSOM SCANTLINGS, FR 91-TRANSOM; DWG FA11 INCLINED & VERTICAL LADDER-KEY PLAN & DETAILS; DWG FH88 HANDRAILS, LIFERAILS & LIFELINES-KEY PLAN & DETAILS.	1/23/04 WH	1/23/04 RG
		2. SH 4, 01 LEVEL: REVISED CONFIGURATION OF LIFERAFTS & LIFERAFT DAVIT TO AGREE WITH DWG FH82 LIFESAVING EQUIPMENT FOUNDATIONS. 02 LEVEL: RELOCATED INCLINED LADDER FROM AFT BHD OF EMERGENCY GENERATOR RM TO STBD BHD OF SAME SPACE TO AGREE WITH DWG FA11 INCLINED & VERTICAL LADDER-KEY PLAN & DETAILS.		
		ITEM 1 PER REWORK #741-004 & ENG. DEVELOPMENT ITEM 2 PER REWORK #741-007 & ENG. DEVELOPMENT		
2		1. SH 3, MN DK: REVISED GALLOWES LAYOUT TO SUIT NEW DESIGN. REVISED TRAWL RAMP COVER. DELETED NET SONDE WINCH FROM GALLOWES PLATFORM.	1/4/05 RMW	1/28/05 RG
		2. SH 3, MN DK: REVISED BITT LOCATIONS TO SUIT NEW GALLOWES LAYOUT.		
		3. SH 4, 01 LEVEL: REVISED GALLOWES LAYOUT. 02 LEVEL: INCORPORATED NET SONDE WINCH TO NEW LOCATION AT FR 61.		
		4. SH 4, 01 LEVEL: REVISED HANDRAILS IWO SIDE 'A' FRAME. ADDED GOOSENECK AT FR 82 AND REVISED HANDRAILS TO SUIT.		
		5. SH 2, TANKTOP: DELETED SINK IN ENGINEER'S WORKSHOP.		
		6. SH 2, TANKTOP: REVISED OCEANOGRAPHIC WINCH LAYOUT.		
		7. SH 3, MN DECK: REVISED VARIOUS DOOR SWINGS AND LOCATIONS IN LABS.		
		8. SH 4, 01 LEVEL: REVISED AFT CRANES AND BOOM RESTS.		
		9. SH 5, 03 LEVEL: UPDATED PILOTHOUSE ARRANGEMENTS.		
		ITEMS 1, 2 & 3 PER ECP 0083. ITEMS 4, 5, 8 & 9 PER ENG. DEVELOPMENT. ITEM 6 PER RE-WORK #741-0004. ITEM 7 PER OWNER'S REQUEST.		
3		1. EXTENDED HULL APPLICABILITY TO INCLUDE HULL 1956.	3/18/05 RMW	3/21/05 FH
		ITEM 1 PER ENGINEERING DEVELOPMENT.		
4		1. SH 4, 01 LEVEL: LENGTHENED SIDE A-FRAME CROSS BEAM AND RELOCATED FORWARD SIDE A-FRAME BASE FROM FRAME 45 TO 41 1/2 TO SUIT; RELOCATED SIDE SAMPLING STATION CONTROL BOOTH AFT OF RELOCATED BASE.	6/27/05 AGE	7/1/05 FH
		2. SH 4, 02 LEVEL: REVISED JOINER BULKHEAD LAYOUT BETWEEN STATEROOMS 02-38-2 AND 02-46-2.		
		ITEM 1 PER ECP 0090. ITEM 2 PER OWNER COMMENTS		
5		1. SH 1, ADDED SH 3A TO REVISION STATUS.	5/1/06 MDP	5/10/06 SM
		2. SH 3, ADDED M282 & M284 APPLICABILITY TO CALLOUT FOR MAIN DECK LAYOUT.		
		3. SH 3A, ADDED MAIN DECK LAYOUT FOR M283.		
		4. EXTENDED HULL APPLICABILITY TO INCLUDE HULL 1957.		
		ITEM 2 PER ECP 0056B.		

AS-BUILT

13 AWNING LAYOUT

FH59

12 MAST, RIGGING & FLAGSTAFF LAYOUT & DETAILS

FH22

11 HANDRAILS, LIFERAILS & LIFELINES-KEY PLAN & DET

FH88

10 INCLINED & VERTICAL LADDERS KEY PLAN & DET

FA11

9 FOOD SERVICE ARRANGEMENT

FZ03

8 BRIDGE DECK ARRANGEMENT

PE42

7 ENGINEER'S OPERATING STATION LAYOUT

FE47

6 JOINER ARRANGEMENT

FA27

5 WORKSHOPS LAYOUTS

FA26

4 LAUNDRY LAYOUT

FA23

3 LABORATORY LAYOUTS

FA22

2 MISSION EQPT, LAYOUTS AND RIGGING ARRGT

FA17

1 MAIN MACHINERY ROOM ARRANGEMENT

FA03

NO. TITLE DRAWING NUMBER

REFERENCES

DOCUMENT DISTRIBUTION RECORD

DATE IN ROOM	9/8/03	9/14/03	1/23/04	1/28/05	3/21/05	6/30/05	5/1/06	8/9/06											
ISSUE DATE	9/8/03	9/14/03	1/23/04	1/28/05	3/21/05	6/30/05	5/1/06	8/9/06											
REV#	0	1	2	3	4	5	6	7											
PROJECT ENG	1	1	1	1	1	1	1	1											
PROJECT MGR	1	1	1	1	1	1	1	1											
ABS	10																		
USPH																			
USCG	7																		
HMP PC	12	12	12	12	12	12	1	1											
PROD DESIGN GROUP	1(3)	1(3)																	
HULL MGR																			
HULL LEAD	(1)	(1)	(1)	(1)	(1)	(1)	1	1											
HVAC	1	1	1	1	1	1	1	1											
JOINER	1	1	1	1				1											
HPG PC	3	3	3	3	1(1)	1(1)	1	1											
NOISE CONT																			
CHAND LLC	1	1	1	1				1											
ISSUED BY	AE	AE	AE	AE	AE	SM	SM												

HULL APPLICABILITY

M282 HULL 1953

M283 HULL 1956

M284 HULL 1957

7 7 7 7 7 7 7 7 7 7

10 9 8 7 6 5 4 3 2 1

REV

SHT

DWL NUMBERS

REVISION STATUS

This drawing, design concept and specifications are the property of VT Halter Marine, Inc. and are furnished on a confidential basis with an expressed understanding that they will not be copied in any manner, used for manufacture, sold, transferred, nor used to the detriment of said firm without written permission. The recipient further agrees not to disclose these contents hereof to any other parties except for those specific purposes for which this drawing was issued.

VT Halter Marine, Inc.

VISION Technologies Systems

ABS APPV

USCG APPV

OWNER APPV

HULL NO

CAGE CODE

SIZE

JOB NO.

ITEM

DELIVERABLE

SHEET

REV

APPLICABILITY

3B213

D

M282

085

FA02

001

07

ESTIMATE NO

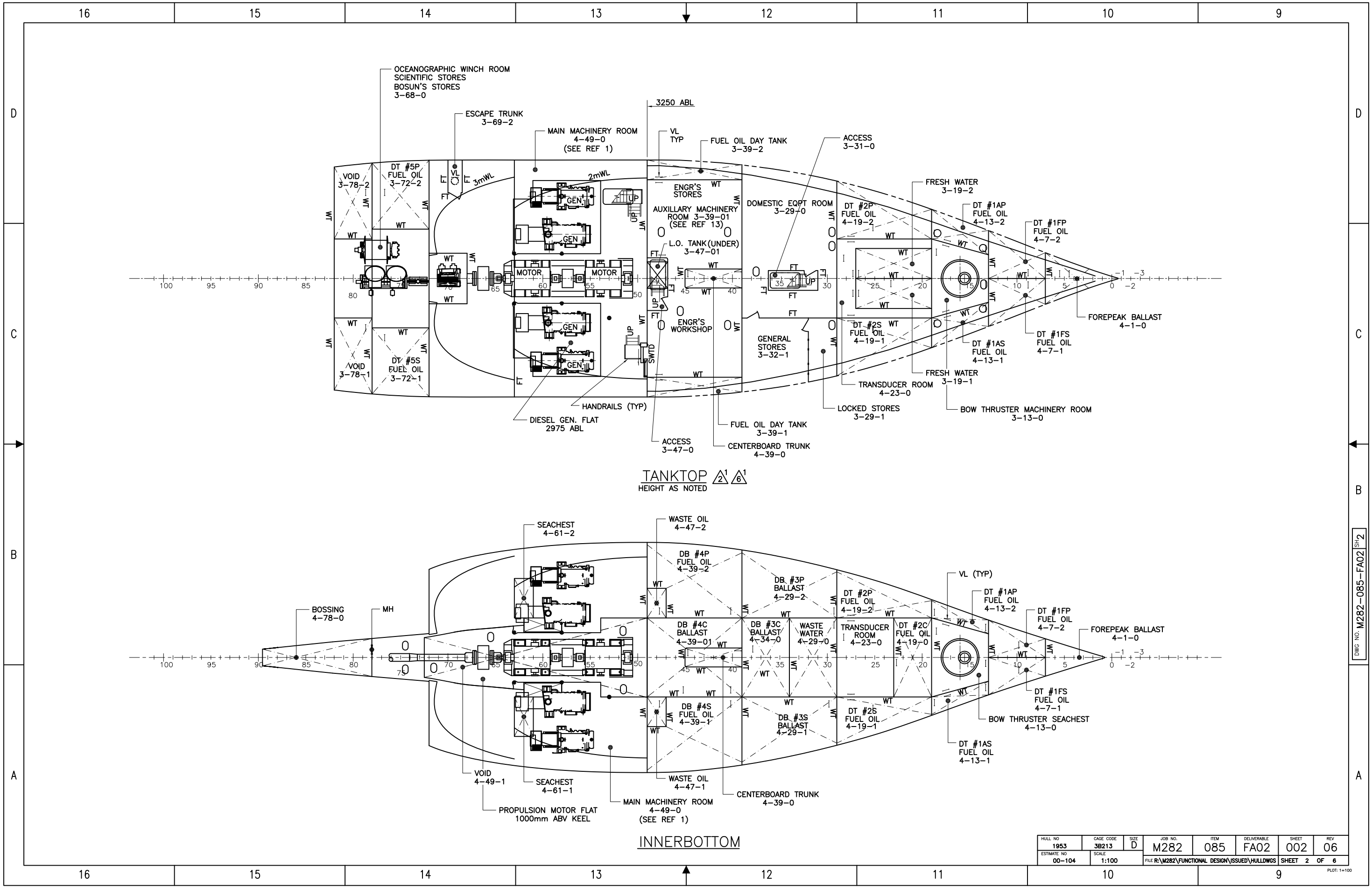
SCALE

FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWS

SHEET 1 OF 6

DWG NO: M282-085-FA02 SH 1

PL01: 1=1



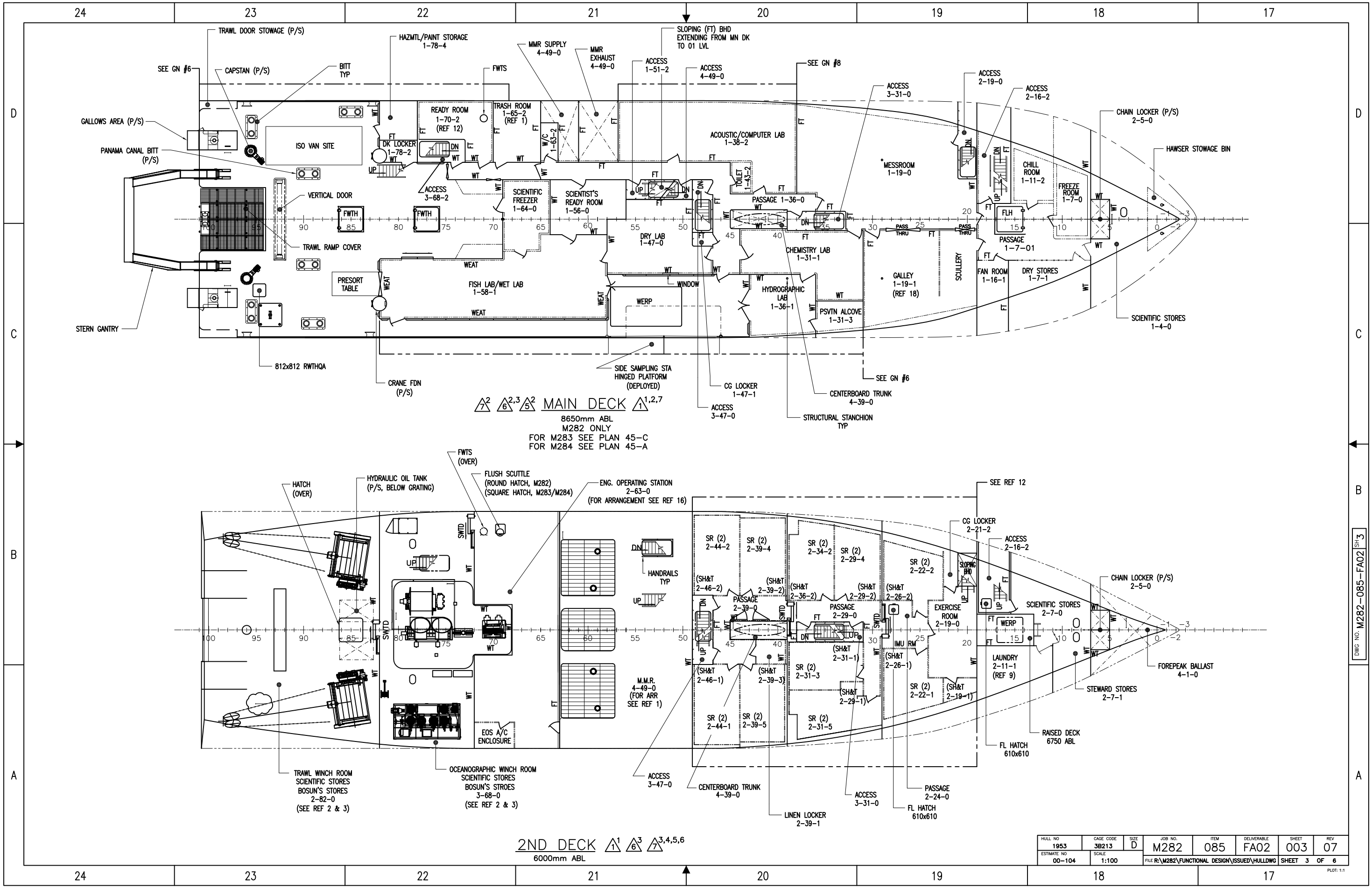
TANKTOP  $\triangle 1' \triangle 6'$   
HEIGHT AS NOTED

INNERBOTTOM

HULL NO	DATE CODE	SIZE	JOB NO.	ITEM	DELIVERABLE	SHEET	REV
1953	38213	D	M282	085	FA02	002	06
ESTIMATE NO	SCALE	FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWGS					
00-104	1:100	SHEET 2 OF 6					

DWG NO. M282-085-FA02  
SHEET 2 OF 6

PLOT: 1=100



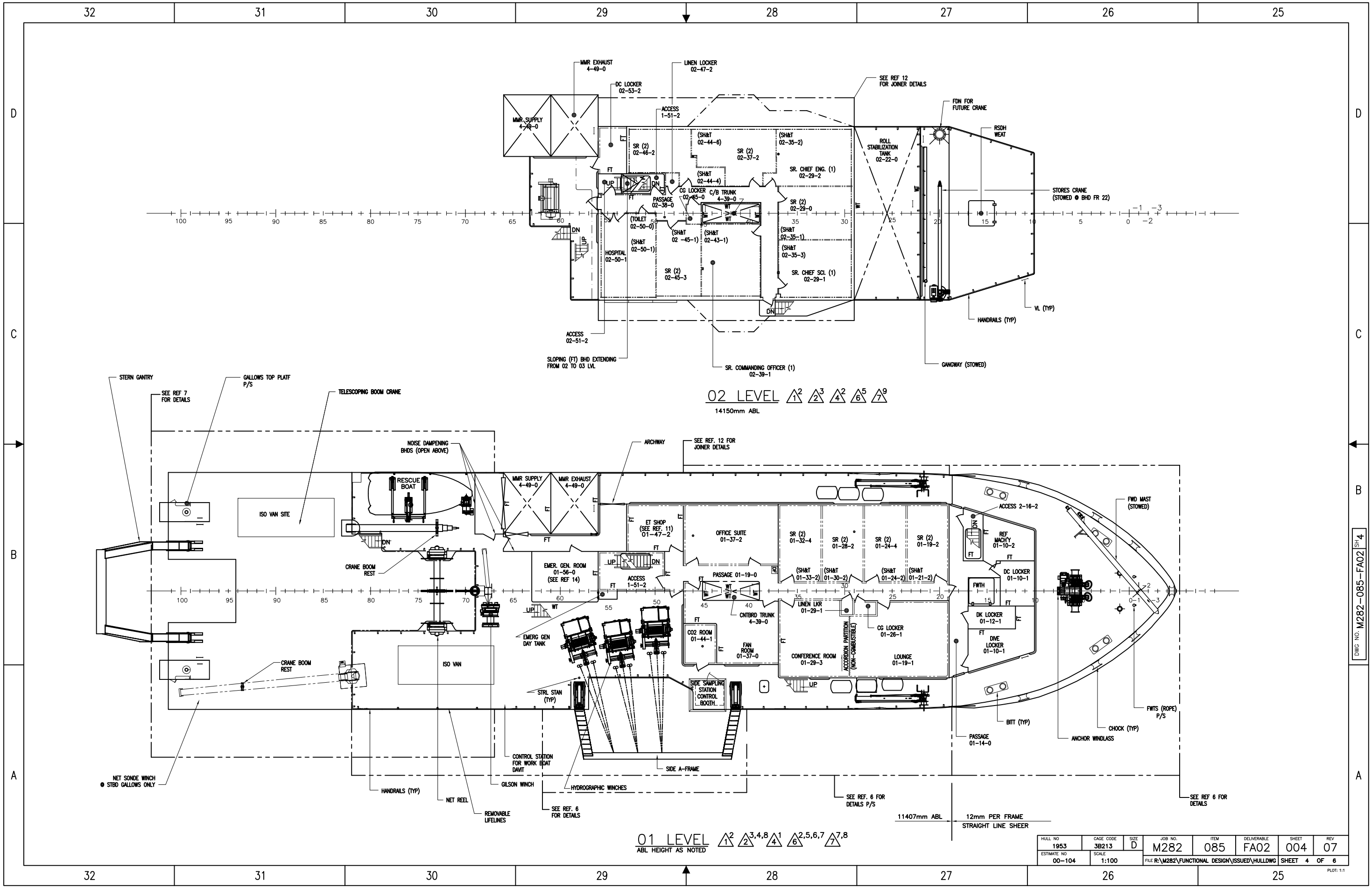
**MAIN DECK**  $\Delta^2, \Delta^3, \Delta^5, \Delta^7$   
8650mm ABL  
M282 ONLY  
FOR M283 SEE PLAN 45-C  
FOR M284 SEE PLAN 45-A

**2ND DECK**  $\Delta^1, \Delta^3, \Delta^4, \Delta^5, \Delta^6$   
6000mm ABL

HULL NO	CAGE CODE	SIZE	JOB NO.	ITEM	DELIVERABLE	SHEET	REV
1953	38213	D	M282	085	FA02	003	07
ESTIMATE NO	SCALE	FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWG				SHEET 3	OF 6
00-104	1:100						

DWG NO. M282-085-FA02 Sh. 3

PLOT: 1:1



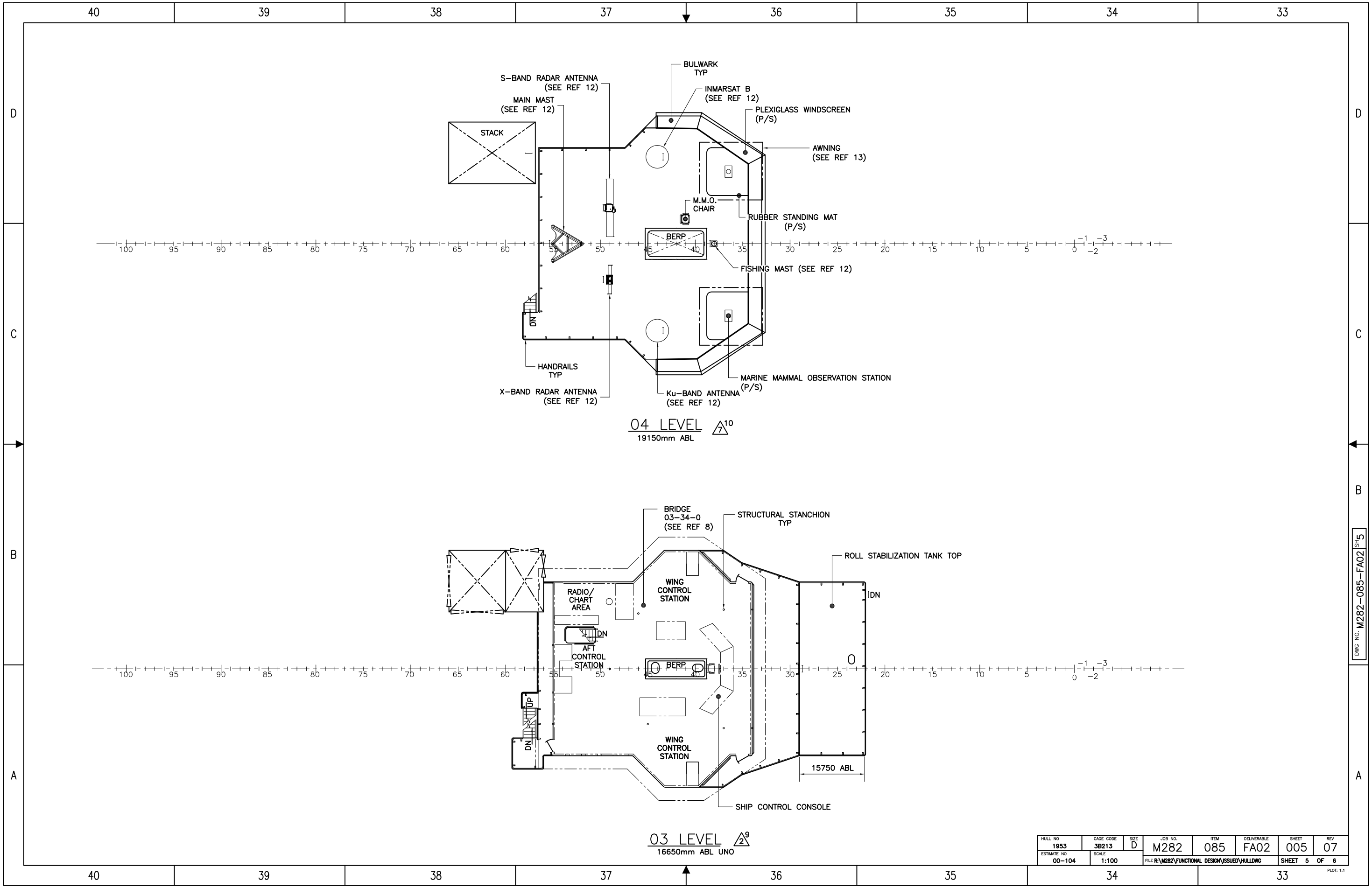
02 LEVEL  $\Delta^1 \Delta^2 \Delta^3 \Delta^4 \Delta^5 \Delta^7 \Delta^9$   
14150mm ABL

01 LEVEL  $\Delta^2 \Delta^3,4,8 \Delta^4 \Delta^6 \Delta^{2,5,6,7} \Delta^{7,8}$   
ABL HEIGHT AS NOTED

HULL NO	1953	CAGE CODE	38213	SIZE	D	JOB NO.	M282	ITEM	085	DELIVERABLE	FA02	SHEET	004	REV	07
ESTIMATE NO	00-104	SCALE	1:100	FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWG								SHEET	4	OF	6

DWG NO: M282-085-FA02 SH 4

PLOT: 1:1



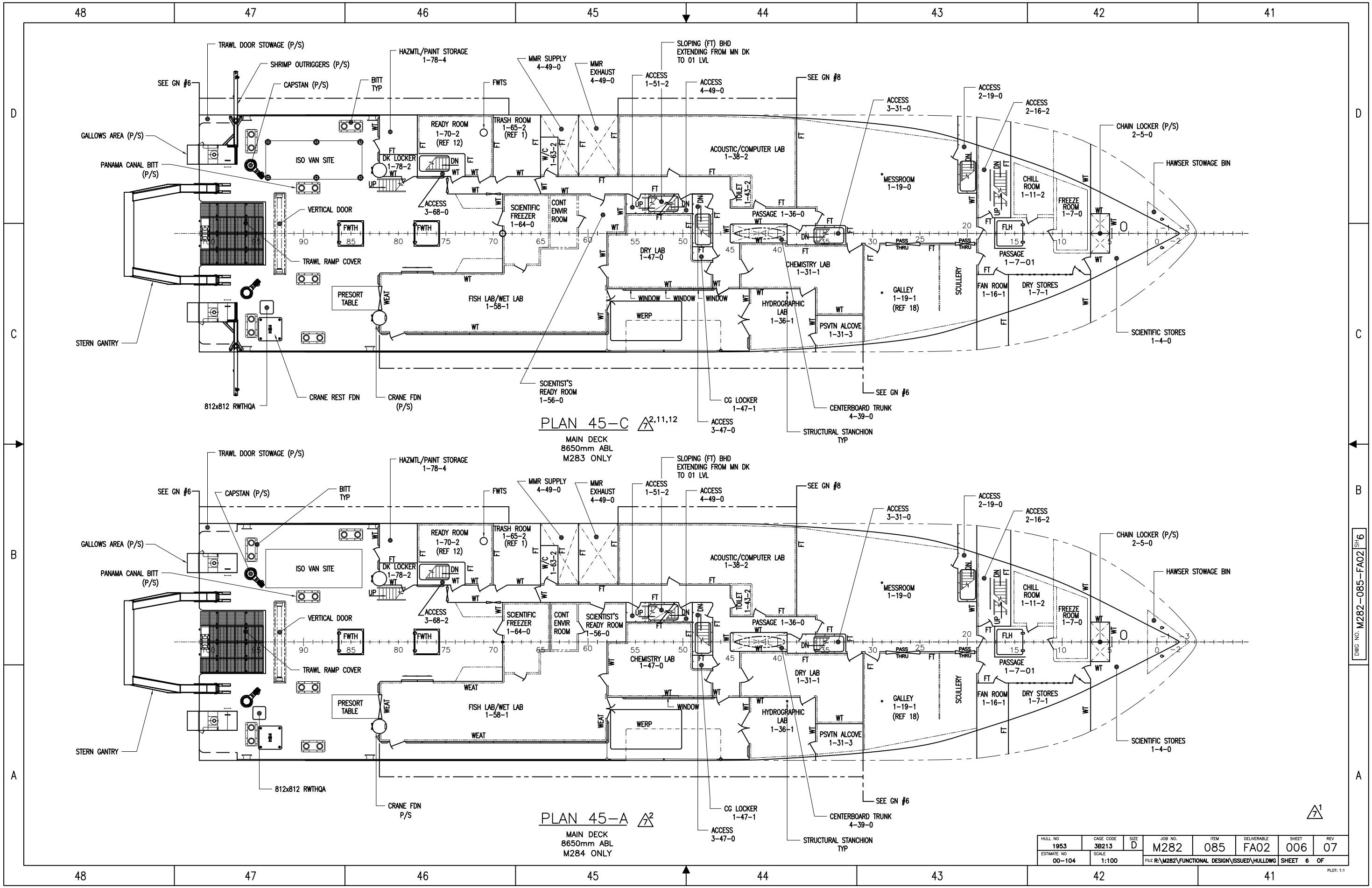
04 LEVEL  $\Delta^{10}$   
19150mm ABL

03 LEVEL  $\Delta^9$   
16650mm ABL UNO

HULL NO	1953	CAGE CODE	38213	SIZE	D	JOB NO.	M282	ITEM	085	DELIVERABLE	FA02	SHEET	005	REV	07
ESTIMATE NO	00-104	SCALE	1:100	FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWG											
												SHEET	5	OF	6

DWG NO. M282-085-FA02 5/5

PLOT: 1:1



PLAN 45-C  $\Delta^{2,11,12}$

MAIN DECK  
8650mm ABL  
M283 ONLY

PLAN 45-A  $\Delta^7$

MAIN DECK  
8650mm ABL  
M284 ONLY

HULL NO.	1953	DATE CODE	38213	SIZE	D	JOB NO.	M282	ITEM	085	DELIVERABLE	FA02	SHEET	006	REV	07
ESTIMATE NO.	00-104	SCALE	1:100	FILE R:\M282\FUNCTIONAL DESIGN\ISSUED\HULLDWG								SHEET	6	OF	

PLOT: 1:1